Quizz 1 - Ruby

Full name

Q1 - What's a variable? What's the point of using variables? Give an example.

Q2 - Precisely describe the following line of code **using the correct vocabulary**

```ruby
age = 18
```

Q3 - What's a method? What's the point of defining methods?

Q4 - Precisely describe what happens at **each line** using the good vocabulary.

```ruby
def multiply(x, y)
  return x * y
end

puts multiply(5, 8)
```

Q5 - What's the keyword `if`? Give us an example of `if` statements, using an `age` variable storing a student's age for instance.

```ruby
# TODO: write some code with `if`
age =
```

Q6 - Complete following code to compute the **exact** average of students grades (using `for`)

```
grades = [19, 8, 11, 15, 13]
# TODO: compute and store the result in a variable `average`

for


```

Q7 - What's the idomatic way of iterating on an array in ruby (hint: **not** `for`)?

Q8 - Define a `capitalize_name` method which takes first name and last name as parameters and return the well-formatted fullname (with capitalized first and last names).

```
# TODO: Implement `capitalize_name`


```

Q9 - Let's speak of the type `String`. What's **concatenation**? Give an example.

Q10 - What's **interpolation**? Give an example. Does it work with single-quotes?

Q11 - Use the `map` iterator to convert the variable `students`, an array of arrays, into an array of hashes. Those hashes should have two keys: `:name` and `:age`. What is the type of those keys?

```
students = [ [ "john", 28 ], [ "mary", 25 ], [ "paul", 21 ] ]


```